



PTO/SB/21 (05-03)

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Total Number of Pages in This Submission

Application Number	10/630,624
Filing Date	July 29, 2003
First Named Inventor	Gary L. Bowlin et al.
Art Unit	1771
Examiner Name	Not yet assigned

Attorney Docket Number 49122-0153 (288276)

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i>	<input type="checkbox"/> After Allowance Communication to Group
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
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Remarks

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Firm or Individual name	William K. McGreevey - Reg. No. 52,012
Signature	
Date	January 27, 2004

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Commissioner for Patents
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Sir:

The citation of information on the attached Form PTO/SB/08A, "Information Disclosure Statement by Applicant" is made pursuant to 37 C.F.R. §§ 1.97 and 1.98. A copy of each cited item is enclosed unless stated otherwise hereinbelow.

Pursuant to 37 C.F.R. §1.98(d), inasmuch as this application relies on prior application Serial No09/714,255 filed November 17, 2000, for an earlier filing date under 35 U.S.C. § 120, no copy of any patent, publication or other information previously cited by or submitted to the Office in such prior application is being provided herewith.

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U.S. Serial No. 10/630,624
INFORMATION DISCLOSURE STATEMENT
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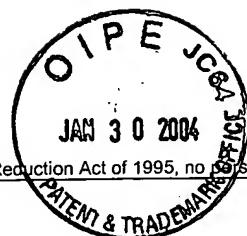
Respectfully submitted,



By: William K. McGreevey
Reg. No. 52,012

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Our Docket: 49122-0153 (49122-288276)

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Substitute for Form 1449/A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/630,624
Filing Date	July 29, 2003
First Named Inventor	Bowlin et al.
Group Art Unit	1771
Examiner Name	Not Yet Assigned

Sheet 1 of 8 Attorney Docket Number 49122-0153 (49122-288276)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1.	1,975,504	A. Formhals	10-02-1934	
	2.	3,892,648	Phillips et al.	07-01-1975	
	3.	4,043,331	Martin et al.	08-23-1977	
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	5.	4,294,677	Sakagami et al.	10-13-1981	
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	7.	4,552,707	How	11-12-1985	
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	10.	5,171,505	Lock	12-15-1992	
	11.	5,252,285	Lock	10-12-1993	
	12.	5,292,362	Bass et al.	03-08-1994	
	13.	5,378,469	Kemp et al.	01-03-1995	
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	15.	5,580,859	Felgner et al.	12-03-1996	
	16.	5,655,517	Coffee	08-12-1997	
	17.	5,693,085	Buirge et al.	12-02-1997	
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	21.	5,906,934	Grande et al.	05-25-1999	
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	35.	6,110,484	Sierra	08-29-2000	
	36.	6,110,590	Zarkoob et al.	08-29-2000	
	37.	6,121,042	Peterson et al.	09-19-2000	
	38.	6,146,892	Ma et al.	11-14-2000	

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¹ Unique citation designation number.² See attached Kinds of U.S. Patent Documents.

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of 8

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		Number - Kind Code ² (if known)			
39.	6,179,872	Bell et al.	01-30-2001		
40.	6,180,605	Chen et al.	01-30-2001		
41.	6,180,606	Chen et al.	01-30-2001		
42.	6,197,575	Griffith et al.	03-06-2001		
43.	6,245,345	Swanbom et al.	06-12-2001		
44.	6,252,129	Coffee	06-26-2001		
45.	6,254,627	Freidberg	07-03-2001		
46.	6,265,333	Dzenis et al.	07-24-2001		
47.	6,306,424	Vyakarnam et al.	10-23-2001		
48.	6,308,509	Scardino et al.	10-30-2001		
49.	6,318,640	Coffee	11-20-2001		
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51.	US2001/0003148	Coffee	06-07-2001		

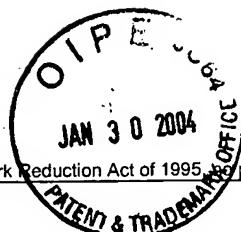
FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
52.	EP	0005 035	A1	Imperial Chemical Industries Limited, et al.	10-31-1979		
53.	EP	0266 035	A1	Ethicon, Inc., et al.	05-04-1988		
54.	GB	1377022		Avicon, Inc.	12-11-1974		
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57.	RU	2031661	C 1	Nauchno-proizvodstvennoe predpriyatiye "Ehkomedservis," Institut Khirurgii im.A.V.Vishnevskogo RAMN	03-27-1995	See XP002046663	X
58.	RU	2034534	C 1	Kirichenko et al.	05-10-1995		
59.	WO	00/67694	A1	Electrosols, Ltd.	11-16-2000		
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61.	WO	01/27365	A1	The University of Akron	04-19-2001		

Examiner Signature	Date Considered
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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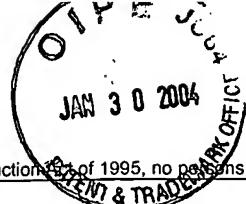
FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴				
	62.	WO	01/51690	A1	Drexel University and The Trustees of the University of Pennsylvania	07-19-2001	
	63.	WO	01/74431	A2	Electrosols, Ltd.	10-11-2001	
	64.	WO	91/01695	A1	Ethicon, Inc. et al.	02-21-1991	
	65.	WO	97/13849	A1	The Univ. of Akron	04-17-1997	
	66.	WO	98/03267	A	Electrosols, Inc.	01-29-1998	
	67.	WO	98/56894	A1	Regents of the Univ. of Minn.	12-17-1998	

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Sheet	4	of	8	Attorney Docket Number	49122-0153 (49122-288276)
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OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	68.	AGRAWAL, C.M. et al., "Technique to Control pH in Vicinity of Biodegrading PLA-PGA Implants", J. Biomed. Mater. Res., 1997, pp. 105-114, Vol. 38.	
	69.	AKINS, R.E. et al., "Neonatal Rat Heart Cells Cultured in Simulated Microgravity", In Vitro Cell. Dev. Biol. – Animal, 1997, pp. 337-343, Vol. 33.	
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	73.	BECK, L., Jr. et al., "Vascular development: cellular and molecular regulation", J. FASEB, 1997, pp. 365-373, Vol. 11.	
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	76.	BROSSOLLET, L.J., "Mechanical issues in vascular grafting: a review", Int. Journ. of Artif. Organs, 1992, pp. 579-584, Vol. 15.	
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	79.	CAVALLARO, J.F. et al., "Collagen Fabrics as Biomaterials", Biotechnology and Bioengineering, 1994, pp. 781-791, Vol. 43.	
	80.	CHEN, DA-REN et al., "Electrospraying of Conducting Liquids for Monodisperse Aerosol Generation in the 4nm to 1.8μm Diameter Range", J. Aerosol Science, 1995, pp. 963-977, vol. 26.	
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	83.	CONNOLD, A.L. et al., "Survival of embryonic cardiac myocytes transplanted into host rat soleus muscle", Journ. of Muscle Res. and Cell Motility, 1995, pp. 481-489, Vol. 16.	
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Examiner Signature		Date Considered	
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language translation is attached.

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Sheet	5	of	8	Attorney Docket Number	49122-0153 (49122-288276)
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			First Named Inventor	Bowlin et al.
			Group Art Unit	1771
			Examiner Name	Not Yet Assigned

87. DRASLER, W. J. et al., "A Spun Elastomeric Graft for Dialysis Access", ASAIO Journal, 1993, pp. 114-119, Vol. 39.

88. FERBER, D., "Lab-Grown Organs Begin to Take Shape", Science, 1999, pp. 422-424, Vol. 284.

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91. GIBSON, P.W. et al., "Electrospun Fiber Mats: Transport Properties", U.S. Army Natick Research, Development and Engineering Center, AICHE Journal, 1999, pp. 190, vol. 45.

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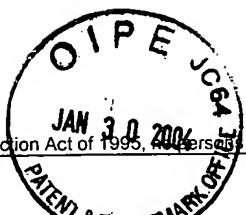
102. KATO, Y.P. et al., "Formation of continuous collagen fibres: evaluation of biocompatibility and mechanical properties", Biomaterials, 1990, pp. 169-175, Vol. 11.

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Sheet	6	of	8	Attorney Docket Number	49122-0153 (49122-288276)
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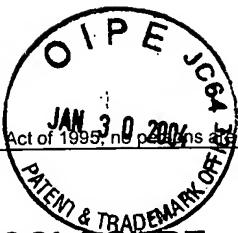
Application Number	10/630,624
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104.	KIM, B-S <i>et al.</i> , "Engineering smooth muscle tissue with a predefined structure", <i>J. Biomed. Mater. Res.</i> , 1998, pp. 322-332, Vol. 41.	
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110.	MOROZOV, V.N. <i>et al.</i> , "Atomic force microscopy of structures produced by electrospraying polymer solutions", <i>International Journal of Mass Spectrometry</i> , 1998, pp. 143-159, Vol. 178.	
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113.	NIKLASON, L.E. <i>et al.</i> , "Functional Arteries Grown in Vitro", <i>Science</i> , 1999, pp. 489-493, Vol. 284.	
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				Complete if Known
				Application Number 10/630,624
				Filing Date July 29, 2003
				First Named Inventor Bowlin et al.
				Group Art Unit 1771
				Examiner Name Not Yet Assigned
				Attorney Docket Number 49122-0153 (49122-288276)

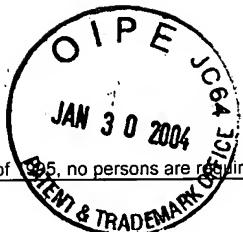
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Sheet	8	of	8	Attorney Docket Number	49122-0153 (49122-288276)
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